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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/600,337	06/23/2003	Sang-Chul Hwang	1572.1130	7203

21171 7590 01/12/2007  
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WASHINGTON, DC 20005

EXAMINER
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SANDOVAL, KRISTIN D

ART UNIT	PAPER NUMBER
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2132

SHORTENED STATUTORY PERIOD OF RESPONSE	MAIL DATE	DELIVERY MODE
3 MONTHS	01/12/2007	PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

**Office Action Summary**

Application No.

10/600,337

Applicant(s)

HWANG ET AL.

Examiner

Kristin D. Sandoval

Art Unit

2132

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☒ Responsive to communication(s) filed on 23 June 2003.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-16 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 23 June 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some \* c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. _____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application                       |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)<br>Paper No(s)/Mail Date <u>1/9/07</u> . | 6) <input type="checkbox"/> Other: _____  |

### DETAILED ACTION

1. Claims 1-16 are pending.

#### *Claim Objections*

2. Claim 1 objected to because of the following informalities: server is misspelled in line 8. Appropriate correction is required.

#### *Claim Rejections - 35 USC § 102*

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

3. Claims 1, 4-6 and 13-16 rejected under 35 U.S.C. 102(b) as being anticipated by Mott et al. (Mott), U.S. Patent No. 6,170,060.

As per claims 1 and 4-6:

Mott discloses a method of preventing unauthorized use of a virtual compact disc comprising:

temporarily storing an identification of a user computer consisting of a central processing unit number, within the virtual CD program when the virtual CD program is executed (9:42-10:24, 10:39-58);

accessing a server supplying a predetermined virtual CD image file through the user computer; receiving a CD key transmitted from the server required for using the downloaded

Art Unit: 2132

virtual CD ;allowing the user to download the virtual CD image file supplied from the sever into the user computer upon fulfillment of a request for an authentication number (11:50-12:17);

storing the identification temporarily stored within the virtual CD program in the downloaded virtual CD image file (13:18-14:22);

comparing the identification temporarily stored within the virtual CD program with the identification stored in the virtual CD image file when the downloaded virtual CD image file is selected to be reproduced (14:55-15:57); and

interrupting reading the selected downloaded virtual CD image file through the virtual CD program if the two identifications do not match (18:23-36).

As per claims 13-16:

Mott discloses:

A programmed computer processor that maintains an identification corresponding to the downloading virtual CD device, stores the maintained identification in the downloaded virtual CD during the downloading, and in response to an access to the downloaded virtual CD, determines the accessible state according to a match between the maintained identification and the identification of the downloaded virtual CD (13:18-15:57).

### ***Claim Rejections - 35 USC § 103***

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 2 rejected under 35 U.S.C. 103(a) as being unpatentable over Mott in view of Morrison, U.S. PG-PUB 2003/0018895.

As per claim 2:

Mott fails to teach the temporarily stored identification being read from a CMOS-RAM of the user computer. However, Morrison discloses an ID being read from a CMOS-RAM in a similar field of endeavor (paragraph 0078, table 1).

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to read the identification from a CMOS-RAM because it eliminates the need to transfer any keys therefore increasing security (paragraph 0035).

5. Claim 3 rejected under 35 U.S.C. 103(a) as being unpatentable over Mott in view of Ezaki, U.S. Patent No. 7,035,827.

As per claim 3:

Mott fails to teach the user driving a file transfer protocol to download the virtual CD. However, Ezaki discloses FTP being used to download content onto a device (14:38-46). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to use FTP when downloading the content because it would be compatible with most Rights Management and Protection systems (Ezaki, 3:34-38).

6. Claims 7 and 10-12 rejected under 35 U.S.C. 103(a) as being unpatentable over Mott in view of Hirano et al. (Hirano), U.S. Patent No. 7,146,508.

As per claims 7 and 10-12:

Mott substantially teaches a method comprising:

Art Unit: 2132

accessing a server supplying a predetermined virtual CD image file through the user computer; receiving a CD key transmitted from the server required for using the downloaded virtual CD ;allowing the user to download the virtual CD image file supplied from the sever into the user computer upon fulfillment of a request for an authentication number (11:50-12:17);

storing the identification temporarily stored within the virtual CD program in the downloaded virtual CD image file (13:18-14:22);

comparing the identification temporarily stored within the virtual CD program with the identification stored in the virtual CD image file when the downloaded virtual CD image file is selected to be reproduced (14:55-15:57); and

interrupting reading the selected downloaded virtual CD image file through the virtual CD program if the two identifications do not match (18:23-36).

Mott fails to teach storing an id of a user computer in a predetermined register within the user computer as designated by the virtual CD program. However, Hirano discloses a predetermined read register that stores ID data (2:1-8). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to store the ID in a predetermined register in order for the program to know where to retrieve quickly.

7. Claims 8 rejected under 35 U.S.C. 103(a) as being unpatentable over Mott in view of Hirano et al. (Hirano), U.S. Patent No. 7,146,508 and further in view of Morrison.

As per claim 8:

Mott and Hirano fail to teach the temporarily stored identification being read from a CMOS-RAM of the user computer. However, Morrison discloses an ID being read from a CMOS-RAM in a similar field of endeavor (paragraph 0078, table 1).

Art Unit: 2132

It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to read the identification from a CMOS-RAM because it eliminates the need to transfer any keys therefore increasing security (paragraph 0035).

8. Claims 9 rejected under 35 U.S.C. 103(a) as being unpatentable over Mott in view of Hirano et al. (Hirano), U.S. Patent No. 7,146,508 and further in view of Ezaki.

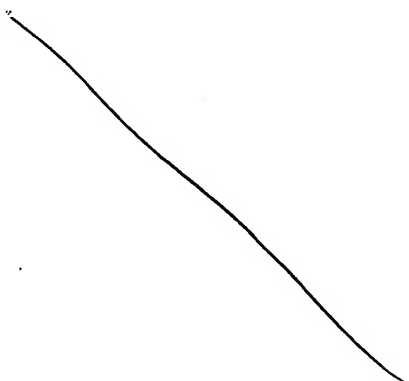
As per claim 9:

Mott fails to teach the user driving a file transfer protocol to download the virtual CD. However, Ezaki discloses FTP being used to download content onto a device (14:38-46). It would have been obvious to one of ordinary skill in the art at the time of applicant's invention to use FTP when downloading the content because it would be compatible with most Rights Management and Protection systems (Ezaki, 3:34-38).

### *Conclusion*

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kristin D. Sandoval whose telephone number is 571-272-7958. The examiner can normally be reached on Monday - Friday, 8:00-5:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gilberto Barron can be reached on 571-272-3799. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

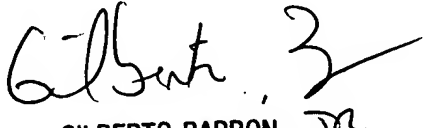


Art Unit: 2132

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

KDS  
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Kristin D Sandoval  
Examiner  
Art Unit 2132

  
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